

Technical Data Sheet

Sundiol 68

1,2-Hexanediol (and) Caprylyl Glycol
CAS# 6920-22-5 (and) 1117-86-8

Description

Sundiol 68 is used as a moisturizer and anti-bacterial agent. Unlike long-chain alkanediols, it does not affect the stability of the emulsion, and is compatible with most cosmetic systems such as anionic, nonionic, amphoteric and liposomes. It is also stable at high and low pH and at high temperatures. Sundiol 68 helps to reduce or eliminate preservatives like parabens, formaldehyde-donors or phenoxyethanol. Sundiol 68 is used in skin care and various cosmetic formulations.

Specifications

Item	Specification
Appearance	Colorless Clear Liquid
Relative density (D20/4)	0.935 ~ 0.945
Refractive index (n20/D)	1.440 ~ 1.450
Moisture (%)	≤ 0.5

Anti-Microbial Activity

Minimum inhibitory concentrations (MIC) / Agar dilution method

Escherichia coli (EC)	ATCC 8739	0.3125%
Pseudomonas aeruginosa (PA)	ATCC 9027	0.6250%
Staphylococcus aureus (SA)	ATCC 6538	0.3125%
Candida albicans (CA)	ATCC 10231	0.1560%

Applications

It can be applied to various cosmetic products such as skin care-cream, lotion, serum, sensitive skin care lines, hair care, sun care, after sun cream color care, body care, etc.

Storage

Stored in tightly closed containers at room temperatures below 30°C in a dry place.
Characteristics of the product are reversibly changed when falling below -10°C or exceeding 40°C.

Shelf Life 2 years